

40/512120

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
6 November 2003 (06.11.2003)

PCT

(10) International Publication Number
WO 03/092264 A1

(51) International Patent Classification⁷: H04N 5/00, 7/10, 7/16

(21) International Application Number: PCT/IB03/01668

(22) International Filing Date: 22 April 2003 (22.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 02009651.7 26 April 2002 (26.04.2002) EP

(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LENOIR, Petrus, J. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN DEN HEUVEL, Sebastiaan, A., F. A. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). LOKHOFF, Gerardus, C., P. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). DE JONG, Hans [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: GROENENDAAL, Antonius, W., M.; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LS, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

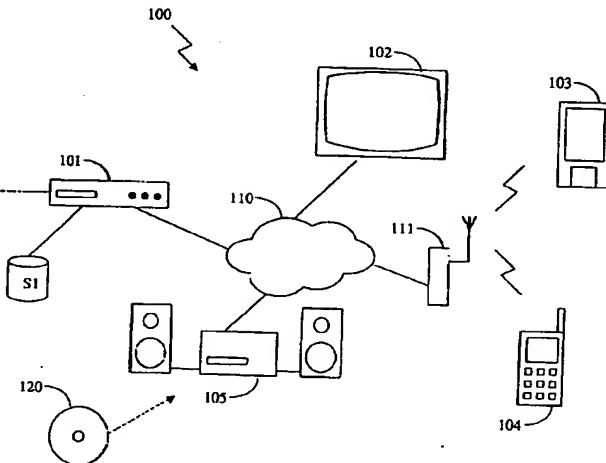
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SECURITY MODULES FOR CONDITIONAL ACCESS WITH RESTRICTIONS



WO 03/092264 A1

(57) Abstract: A system (100) comprising a plurality of interconnected devices (101-105) and being arranged to provide the devices (101-105) conditional access to protected content items, characterized in that the system (100) is arranged to restrict the number of simultaneous sessions involving said protected content items to a predetermined total limit. Preferably the system (100) restricts the number of content items that can be accessed simultaneously to the predetermined limit. Security modules (300) such as smart cards can be used for this purpose. Each security module (300) may be arranged to restrict the number of content items to which it provides access simultaneously to an individual limit, which can change over time. The system restricts the sum of the individual limits to the predetermined total limit. If the limit is reached, further sessions may be refused or allowed at reduced quality level.